

# **MDA Horticulture Fund 2005 Final Report**

**Proposal Title:** Identifying the Scope of Invasive Plants within Michigan

Project MDAH# 91630

Principle Investigator: Robert E. Schutzki

Reporting Period: 2005-2006

## **Accomplishments during Reporting Period:**

Investigation of the current status of invasive plants in Michigan crosses several boundaries and includes natural areas, production systems (agricultural, horticultural, forest), and urban/suburban communities. We conducted an internet search and contacted several public and non profit agencies to assess their awareness, knowledge, and direct experience with the invasive plant issue within Michigan.

## **Objective #1: To survey public land managers on the presence and extent of invasive plants under their jurisdiction.**

The following agencies or organizations were identified as either having invasive species lists or mentioning invasive species with respect to Michigan. Several out of state agencies and organizations are listed with internal links to plants observed or identified as being in Michigan. Many of these lists are based on regional lists, anecdotal information, and observation. The extent of distribution within the state is not identified. Two lists were constructed; those having established invasive lists and those simply mentioning invasive plants. These agencies and organizations will be the target for continued work on identifying specific species. See Agency lists ant the end of this report.

## **Objective #2: To acquire invasive plants lists in Michigan, identify the sources and establish the methods by which these lists were generated, and develop a master list of the plants identified.**

It is important to document information on plant invasiveness through sound science and economic criteria. 113 weed lists are known at the state or higher level. Many have been produced by governmental agencies. Only 12% of these lists require documentation for placing a species on the list. Many lists have been formed by borrowing from other lists and not on sound science or economic data. Much of the information needed to support or reject a plant's invasiveness is not documented and the result of anecdotal information. This situation exist in Michigan, there are a number of governmental agencies, public institutions, and private organizations with invasive plant lists. The MDA Composite Plant List (Table 1) have been collected from agencies and organization outlined in this report.

**Objective #3: Identify the plants that are currently produced or products of our Michigan Plant and Natural Resource Industries.**

Plants of economic importance will be extracted from the MDA Composite Plant List and process these plants through the Michigan Plant Invasiveness Assessment System

**Other funds or contributions related to the project:**

This project is part of a broader effort to address the lack of documentation and coordination of information on invasive plants in Michigan. This proposal focuses on information concerning economically important plants. The information gained through this project will be used as a foundation for subsequent project proposals directed at assessment of plant invasiveness through the Michigan Plant Invasiveness Assessment System. Subsequent proposals will be submitted to Project GREEN and the Michigan Nursery and Landscape Association. MDA Horticulture Fund has funded a 2006/2007 proposal to assess the invasiveness of plants through the Michigan Plant Invasiveness Assessment System. Species under investigation will include those identified from the agencies and organizations outlined in this project.

**Publications/outreach activities related to the project:**

The information generated through this project will aid in developing an outreach strategy that both preserves environmental health and the economic growth of the industries relying on the production and sale of plant and plant products. The information received to date was incorporated into presentations given to the West Michigan Nursery and Landscape Association, at the Great Lakes Trade Exposition sponsored by the Michigan Nursery and Landscape Association, and at a meeting of nursery and landscape professionals at the MidAm Trade Show, Chicago, IL between January and March of 2006. Presentations are also being given at the Eastern Region Annual meeting of the International Plant Propagators Society (October, 2006), and the Great Lakes Trade Exposition (January, 2007).

The information will also be shared with the Michigan Invasive Plant Council and is the basis for the 2006/2007 MDA Horticulture Fund project to assess plants through the Michigan Plant Invasiveness Assessment System. Information as it develops from the assessment will be shared with the MI DNR invasive plant committee, MI Department of Agriculture, MI Department of Environmental Quality, and the MI Nursery and Landscape Association Invasive Plant Task Force.

**AGENCIES WITH INVASIVE SPECIES LISTS**

Oakland Land Conservancy  
P.O. Box 80902  
Rochester, MI 48308  
Ph: 248-601-2816  
Fax: 248-601-4582  
[www.oaklandlandconservancy.org](http://www.oaklandlandconservancy.org)

Great Lakes Information Network (GLIN)  
(at) Great Lakes Commission  
Eisenhower Corporate Park  
2805 S. Industrial Hwy., Suite 100  
Ann Arbor, MI 48104-6791  
Ph: 734-971-9135  
Fax: 734-971-9150  
[www.great-lakes.net](http://www.great-lakes.net)

Great Lakes Commission  
Address and phone numbers same as above  
[www.glc.org](http://www.glc.org)

Natural Area Preservation Division  
City of Ann Arbor Department of Parks and Recreation  
1831 Traver Road  
Ann Arbor, MI 48105  
Ph: 734-996-3266  
Fax: 734-997-1072  
<http://www.ci.ann-arbor.mi.us/Parks/NAP/nap.html>

Great Lakes Environmental Directory  
A project of the Great Lakes Aquatic Habitat Network and the Environmental Association for Great Lakes  
Education  
394 Lake Ave. S., Suite 222  
Duluth, MN 55802  
218-726-1828  
[Contact@GreatLakesDirectory.org](mailto:Contact@GreatLakesDirectory.org)

Aquatic Research Laboratory  
Department/Office Name  
Lake Superior State University  
650 W. Easterday Avenue  
Sault Ste. Marie, MI 49783  
906-635-2153

Pierce Cedar Creek Institute  
701 West Cloverdale Rd.  
Hastings, MI 49058  
<http://www.cedarcreekinstitute.org>  
Ph: 269-721-4190  
Fax: 269-721-4474

International Association for Great Lakes Research  
2205 Commonwealth Blvd.  
Ann Arbor, MI 48105  
Ph: 734-665-5303  
Fax: 734-741-2055  
[president@iaglr.org](mailto:president@iaglr.org)

The Watershed Center  
Grand Traverse Bay  
232 E. Front Street  
Traverse City, MI 49684  
Ph: 231-935-1514  
Fax: 231-935-3829  
[www.gtbay.org](http://www.gtbay.org)  
[info@gtbay.org](mailto:info@gtbay.org)

National Agricultural Pest Information System (NAPIS)

CAPS Regional Survey Coordinators for Michigan – see PestTracker printout

CAPS State Survey Coordinator for Michigan  
Lansing, Ph:(517) 335-0730 Fax: (517) 335-4540

CAPS Pest Survey Specialist for Michigan  
Detroit, MI, Ph: (734) 942-9005 Fax:(734) 942-7691

CAPS Plant Health Director for Michigan  
Romulus, Ph: (734) 942-9005 Fax: (734) 942-7691

Eastern Regional CAPS Committee ad hoc member  
Michigan Dept. of Agriculture  
PO Box 30017  
Lansing, MI 48909  
MI: Central Plant Board  
PH: (517) 373-9747  
FAX: (517) 335-4540

Michigan United Conservation Clubs  
P.O. Box 30235  
Lansing, MI 48909-7735  
Ph: 517-371-1505  
Fax: 517-371-1041

National Oceanic and Atmospheric Administration (NOAA)  
Great Lakes Environmental Research Laboratory (GLERL)  
NOAA/GLERL  
2205 Commonwealth Blvd.  
Ann Arbor, MI 48105-2945  
Ph: 734-741-2393  
Fax: 734-741-2055  
[www.glerl.noaa.gov](http://www.glerl.noaa.gov)

U.S. Environmental Protection Agency  
Great Lakes National Program Office  
77 W. Jackson Blvd. (G-17J)  
Chicago, IL 60604-3511  
Ph: 312-886-4040  
Fax: 312-886-2403  
[www.epa.gov/glnpo/invasive/](http://www.epa.gov/glnpo/invasive/)

ANS (Aquatic Nuisance Species) Task Force  
Great Lakes Regional Panel website is Great Lakes Commission (GLC)  
<http://www.glc.org/ans/panel.html>

Great Lakes Indian Fish and Wildlife Commission  
<http://www.glifwc.org/invasives/>

Center For Exotic Species  
School of Forest Resources and Environmental Science  
Michigan Technological University  
1400 Townsend Drive  
Houghton, MI 49931  
906-487-3470  
[ces@mtu.edu](mailto:ces@mtu.edu)  
<http://forest.mtu.edu/research/ces/>

Michigan Department of Natural Resources  
<http://www.michigan.gov/dnr/>

Great Lakes Natural Resource Center  
National Wildlife Federation  
11100 Wildlife Center Dr.  
Reston, VA 20190-5362  
800-822-9919

The Northeast-Midwest Institute  
218 D St., SE  
Washington, DC 20003-1900  
Ph: 202-544-5200  
Fax: 202-544-4300

Michigan Department of Agriculture  
P.O. Box 30017  
Lansing, MI 48909  
800-292-3939  
[mda-info@michigan.gov](mailto:mda-info@michigan.gov)  
[www.michigan.gov/mda](http://www.michigan.gov/mda)

U.S. Department of Agriculture  
National Agricultural Library  
National Invasive Species Information Center  
10301 Baltimore Ave.  
Beltsville, MD 20705

USDA Natural Resources Conservation Service  
3001 Coolidge Road, Suite 250  
East Lansing, MI 48823  
Ph: 517-324-5270  
Fax: 517-324-5171  
<http://plants.nrcs.usda.gov/>

Michigan Sea Grant  
734-763-1437

Invasive Plants Association of Wisconsin  
P.O. Box 5274  
Madison, WI 53705-0274  
University of Wisconsin—Milwaukee Field Station  
3095 Blue Goose Rd., Saukville, WI 53080

Michigan Aquatic Nuisance Species Council  
Office of the Great Lakes  
Michigan Department of Environmental Quality  
P.O. Box 30473  
Lansing, MI 48909  
Ph: 517-335-4227  
Fax: 517-335-4053

Common Weed Seedlings of Michigan  
<http://web1.msue.msu.edu/msue/iac/e1363/e1363.htm>

Invaders Database System  
University of Montana  
P.O. Box 30017  
Lansing, MI 48909  
517-373-1087  
<http://www.mda.state.mi.us/industry/Nursery/P&Rweeds.html>

National Forest System  
R9 – Eastern Region  
Regional Invasive Species Program Coordinator  
U.S. Dept. of Agriculture  
Forest Service, R-9  
626 E. Wisconsin Ave., Suite 800  
Milwaukee, WI 53202  
414-297-1868  
Eastern Nonnatives Regional Coordinator  
<http://www.fs.fed.us/invasivespecies/contactus.shtml>

Huron-Manistee National Forests  
Supervisor's Office  
1755 S. Mitchell St.  
Cadillac, MI 49601  
Ph: 800-821-6263  
Fax: 231-775-5551  
[http://www.fs.fed.us/r9/hmnf/pages/invasive\\_species.htm](http://www.fs.fed.us/r9/hmnf/pages/invasive_species.htm)

Hiawatha National Forest  
2727 N. Lincoln Rd.  
Escanaba, MI 49829  
Ph: 906-786-4062  
Fax: 906-789-3311

Ottawa National Forest  
Non-native Invasive Plant Program  
Supervisor's Office E6248 U.S. 2  
Ironwood, MI 49938  
906-932-1330  
<http://www.fs.fed.us/r9/ottawa/>

USDA Forest Service  
Forest Health Staff  
Newtown Square, PA  
[http://www.na.fs.fed.us/fhp/invasive\\_plants](http://www.na.fs.fed.us/fhp/invasive_plants)  
Aquatic Ecosystem Restoration Foundation  
P.O. Box 18300  
Greensboro, NC 27419-8300  
[www.aquatics.org](http://www.aquatics.org)

Michigan Department of Natural Resources  
Mason Building, 6<sup>th</sup> Floor  
P.O. Box 30028  
Lansing, MI 48909

The Nature Conservancy  
Invasive Species Initiative  
Mail Stop 4—Robbins Hall  
University of California  
One Shields Ave.  
Davis, CA 95616-8780  
<http://tncweeds.ucdavis.edu>

Plant Conservation Alliance  
Bureau of Land Management  
1849 C Street NW  
LSB-204  
Washington, DC 20240  
202-452-0392  
[plant@plantconservation.org](mailto:plant@plantconservation.org)  
[www.plantconservation.org](http://www.plantconservation.org)

Invasive.org  
The University of Georgia  
P.O. Box 748  
4601 Research Way CPES  
113 Administration Building  
Tifton, GA 31793  
Ph: 229-386-3298  
Fax: 229-386-3352

U.S. Geological Survey Headquarters  
John W. Powell Federal Building  
12201 Sunrise Valley Dr.  
Reston, Virginia 20192  
703-648-7411

Center for Aquatic and Invasive Plants  
7922 N.W. 71<sup>st</sup> St.  
Gainesville, FL 32653  
Ph: 352-392-1799  
Fax: 352-392-3462  
[CAIP-WEBSITE@ufl.edu](mailto:CAIP-WEBSITE@ufl.edu)

Midwest Aquatic Plant Management Society  
Aquatic Systems, LLC  
P.O. Box 233  
Brownstown, IN 47220  
866-442-0420

Environmental Aquatic Management  
P.O. Box 7239  
Algonquin, IL 60102-7239  
847-960-7252  
[www.mapms.org](http://www.mapms.org)

Midwest Invasive Plant Network  
The Nature Conservancy of Indiana  
1505 N. Delaware St., Suite 200  
Indianapolis, IN 46202  
Ph: 317-951-8818  
Fax: 317-917-2478  
[Info@mipn.org](mailto:Info@mipn.org)  
[www.mipn.org](http://www.mipn.org)

Michigan Lake and Stream Association  
The Michigan Riparian  
P.O. Box 249  
Three Rivers, MI 49093  
[www.mlswa.org](http://www.mlswa.org)

Michigan Waterfront Alliance  
1603 E. Higgins Lake Dr.  
Roscommon, MI 48635  
Ph: 989-821-6661  
[www.mwai.org](http://www.mwai.org)

Michigan Cooperative Monitoring Program  
[mi-water-cmp@mlswa.org](mailto:mi-water-cmp@mlswa.org)

## **AGENCIES THAT MENTION INVASIVE SPECIES**

U.S. Dept. of the Interior  
U.S. Geological Survey  
Great Lakes Science Center  
1451 Green Road  
Ann Arbor, MI 48105  
Ph: 734-994-3331  
Fax: 734-994-8780  
[www.glsc.usgs.gov/](http://www.glsc.usgs.gov/)

North Oakland Headwaters Land Conservancy  
P.O. Box 285  
Clarkston, MI 48347  
Ph: 248-846-6547  
Fax: 248-846-6548  
Mail@nohlc.org  
[www.nohlc.org/](http://www.nohlc.org/)



Berrien County Intermediate School District  
SouthwestNet Distance Learning  
Invasive Species Videoconference  
711 St. Joseph Ave.  
Berrien Springs, MI 49103  
269-471-7725

American Land Rights Association  
30218 N.E. 82<sup>nd</sup> Ave.  
P.O. Box 400  
Battle Ground, WA 98604  
Ph: 360-687-3087  
Fax: 360-687-2973

University of Michigan School of Natural Resources and Environment  
Dana Building, 440 Church Street  
Ann Arbor, MI 48109-1041  
[snre-webmaster@umich.edu](mailto:snre-webmaster@umich.edu)

Ecosystem Management Initiative  
Natural Resources and Environment  
University of Michigan  
Matthaei Botanical Gardens and Nichols Arboretum  
734-998-7061

DeGraaf Nature Center  
600 Graafschap Rd.  
Holland, MI 49423  
Ph: 616-355-1057  
Fax: 616-355-1069  
<http://www.degraaf.org>  
[citydnc@macatawa.org](mailto:citydnc@macatawa.org)

National Plant Board  
Eastern Plant Board  
South Dakota Department of Agriculture  
Division of Agricultural Services  
Office of Plant Protection  
523 E. Capitol Ave., Foss Bldg.  
Pierre, SD 57501-3182  
Ph: 605-773-3796  
Fax: 605-773-3481

Inland Seas Education Association  
P.O. Box 218, 100 Dame St.  
Suttons Bay, MI 49682  
231-271-3077  
[www.greatlakeseducation.org](http://www.greatlakeseducation.org)

Table 1.

Scientific Name	Common Name
<i>Abutilon theophrasti</i>	Velvetleaf
<i>Acer goma;a</i>	Amur maple
<i>Aegopodium podagraria</i>	Goutweed
<i>Agropyron repens</i>	Quackgrass
<i>Ailanthus altissima</i>	Tree-of-heaven
<i>Alliaria petiolata</i>	Garlic mustard
<i>Allium canadense L</i>	Meadow garlic
<i>Allium canadense</i>	Wild onion
<i>Allium vineale L.</i>	Wild garlic
<i>Alnus glutinosa</i>	Black alder
<i>Alopecurus geniculatus</i>	Water foxtail
<i>Ambrosia artemisiifolia elatior (L.) Descourtils</i>	Annual ragweed
<i>Aralia elata</i>	Japanese Angelica Tree
<i>Avena fatua L.</i>	Wild oat
<i>Barbarea vulgaris</i>	Yellow rocket
<i>Berberis thunbergii</i>	Japanese barberry
<i>Berteroa incana (L.) DC</i>	Hoary false madwort
<i>Berteroa incana</i>	Hoary alyssum
<i>Brassica juncea</i>	Indian mustard
<i>Brassica nigra</i>	Black mustard
<i>Bromus tectorum</i>	Cheatgrass
<i>Butomus umbellatus</i>	Flowering rush
<i>Cabomba caroliniana</i>	Fanwort
<i>Cardaria draba (L.) Desv</i>	Whitetop
<i>Cardaria draba</i>	Hoary cress

<i>Cardaria</i> spp. <i>Cardaria</i>	Complex combined
<i>Carduus acanthoides</i> L.	Spiny plumeless thistle
<i>Carduus nutans</i>	Musk thistle
<i>Carduus acanthoides</i>	Plumeless thistle
<i>Carex acutiformis</i>	Swamp sedge
<i>Carex flacca</i>	Sedge
<i>Celastrus orbiculatus</i>	Oriental bittersweet
<i>Centaurea maculosa</i>	Spotted knapweed
<i>Centaurea picris</i>	Russian knapweed
<i>Centaurea jacea</i>	Brown Knapweed
<i>Centaurea solstitialis</i>	Yellow Starthistle
<i>Centaurea maculosa</i> (= <i>C. biebersteinii</i> )	Spotted knapweed
<i>Chondrilla juncea</i>	Rush Skeletonweed
<i>Cirsium palustre</i>	Marsh thistle
<i>Cirsium vulgare</i>	Bull thistle
<i>Cirsium arvense</i>	Canada thistle
<i>Cirsium palustre</i>	European swamp thistle
<i>Conium maculatum</i>	Poison hemlock
<i>Convolvulus arvensis</i> L.	Field bindweed
<i>Convolvulus sepium</i>	Hedge bindweed
<i>Coronilla varia</i>	Crown vetch
<i>Cuscuta</i> spp. L.	Dodder
<i>Cyperus esculentus</i>	Yellow nutsedge Note: both seed and tubers
<i>Cyperus esculentus</i> L.	Chufa flatsedge
<i>Datura stramonium</i>	Jimsonweed
<i>Daucus carota</i> L.	Queen Anne's lace
<i>Daucus carota</i>	Wild carrot
<i>Echinochloa crusgalli</i>	Barnyard grass

<i>Elaeagnus angustifoliae</i>	Russian-olive
<i>Eleagnus umbellatus</i>	Autumn olive
<i>Epilobium parviflorum</i>	Small flowered hairy willow herb
<i>Euonymus fortunei</i>	Winter Creeper
<i>Euphorbia esula</i>	Leafy spurge
<i>Hedera helix</i>	English Ivy
<i>Heracleum mantegazzianum**</i>	Giant hogweed
<i>Hesperis matronalis</i>	Dame's rocket
<i>Hieracium aurantiacum</i>	Orange hawkweed
<i>Hydrocharis morsus-ranae</i>	European frog-bit
<i>Hypericum perforatum</i>	St Johnswort
<i>Impatiens glandulifera</i>	Indian balsam
<i>Ipomoea spp.</i>	Morningglory
<i>Iris pseudacorus</i>	Yellow iris
<i>Ligustrum obtusifolium</i>	Border Privet
<i>Lolium arundinaceum</i>	Tall fescue
<i>Lonicera cultivars and species</i>	Bush honeysuckles exotic
<i>Lonicera morrowii</i>	Morrow honeysuckle
<i>Lonicera × bella</i>	Bell's honeysuckle
<i>Lonicera japonica</i>	Japanese honeysuckle
<i>Lonicera tartarica</i>	Tartarian honeysuckle
<i>Lycopus asper</i>	Western water horehound
<i>Lysimachia vulgaris</i>	Golden loosestrife
<i>Lythrum salicaria L.</i>	Purple loosestrife
<i>Lythrum spp.</i>	Loosestrife
<i>Mahonia bealei (Fortune) Carr.</i>	Leatherleaf mahonia
<i>Marsilea quadrifolia</i>	European water-clover
<i>Melilotus officinalis</i>	Yellow sweet-clover

<i>Melilotus alba</i>	White sweet-clover
<i>Mentha piperita</i>	Peppermint
<i>Mentha spicata</i>	Spearmint
<i>Miscanthus sinensis</i>	Chinese Silvergrass
<i>Myriophyllum spicatum</i>	Eurasian watermilfoil
<i>Najas minor</i>	Minor naiad
<i>Najas minor</i>	Brittle naiad
<i>Nassella trichotoma</i>	Serrated tussock
<i>Nassella trichotoma</i> Hackel ex Arech.	Serrated tussock grass
<i>Nasturtium officinale</i>	Water-cress
<i>Nymphoides peltata</i>	Yellow floating heart
<i>Onopordum acanthium</i>	Scotch Thistle
<i>Phalaris arundinacea</i>	Reed canary grass
<i>Phragmites australis</i>	Common reed
<i>Plantago lanceolata</i> L.	Narrowleaf plantain
<i>Plantago lanceolata</i>	Buckhorn plantain
<i>Pluchea odorata</i> var. <i>succulenta</i>	Salt-marsh fleabane
<i>Polygonum caespitosum</i> var. <i>longisetum</i>	Bristly lady's thumb
<i>Polygonum cuspidatum</i>	Japanese knotweed
<i>Polygonum sachalinense</i>	Giant knotweed
<i>Populus alba</i>	White poplar
<i>Potamogeton crispus</i>	Curly pondweed
<i>Raphanus raphanistrum</i> L.	Wild radish
<i>Rhamnus cathartica</i>	Common buckthorn
<i>Rhamnus frangula</i>	Glossy buckthorn
<i>Ribes rubrum</i> L.	Cultivated currant
<i>Ribes</i> spp. L.	Currant
<i>Robinia pseudoacacia</i>	Black locust

<i>Rorippa sylvestris</i>	Creeping yellow cress
<i>Rorippa nasturtium aquaticum</i>	Water cress
<i>Rosa multiflora</i>	Multiflora rose
<i>Rumex obtusifolius</i>	Bitter dock
<i>Rumex crispus</i>	Curly dock
<i>Rumex longifolium</i>	Yard dock
<i>Sagittaria montevidensis</i>	Long-lobed arrow-head
<i>Salix alba</i>	White willow
<i>Salix fragilis</i>	Crack willow
<i>Salix purpurea</i>	Purple willow
<i>Senecio jacobea</i>	Stinking willie
<i>Senecio jacobaca</i>	Tansy Ragwort
<i>Setaria faberi</i> Herrm.	Japanese bristlegrass
<i>Setaria faberi</i>	Giant foxtail
<i>Sinapis arvensis</i> L.	Charlock mustard
<i>Solanum sarrachoides</i>	Hairy nightshade
<i>Solanum dulcamara</i> L.	Climbing nightshade
<i>Solanum carolinense</i> L.	Carolina horsenettle
<i>Solanum carolinense</i>	Horsenettle
<i>Solanum dulcamara</i>	Bittersweet nightshade
<i>Solanum elaeagnifolium</i> Cavanaugh	Silverleaf nightshade
<i>Solanum nigrum</i> L.	Black nightshade
<i>Solanum ptycanthum</i>	Eastern black nightshade
<i>Solanum ptychanthum</i> Dunal	West Indian nightshade
<i>Solidago sempervirens</i>	Seaside goldenrod
<i>Sonchus arvensis</i> L.	Field sowthistle
<i>Sonchus arvensis</i> var. <i>glabrescens</i>	Smooth field sow thistle
<i>Sonchus arvensis</i>	Perennial sowthistle

<i>Sorghum almum</i>	Columbus grass Note: including sorghum almum and seed which cannot be distinguished from Johnsongrass
<i>Sorghum halepense (L.) Pers.</i>	Johnsongrass
<i>Sorghum almum Parodi</i>	Columbus grass
<i>Sparganium glomeratum</i>	Bur reed
<i>Spiraea japonica</i>	Japanese Spiraea
<i>Stellaria aquatica</i>	Giant chickweed
<i>Thlaspi arvense</i>	Fanweed
<i>Thlaspi arvense L.</i>	Field pennycress
<i>Tribulus terrestris</i>	Puncturevine
<i>Ulmus pumila</i>	Siberian elm
<i>Valeriana officinalis</i>	Common valerian
<i>Veronica beccabunga</i>	European brooklime
<i>Vicia villos</i>	Hairy Vetch
<i>Vincetoxicum nigrum</i>	Black Swallow-wort
<i>Wisteria</i>	Exotic Wisterias
<i>Xanthium strumarium</i>	Cocklebur
<i>Xanthium strumarium L.</i>	Rough cocklebur